WHAT IS CLAIMED IS:

1	1. A wide-angle lens comprising, from an object side to an image plane side:
2	a first lens group comprising:
3	a first lens having a negative refractive power, and
4	a second lens having a positive refractive power; and
5	a second lens group comprising:
6	a third lens having a negative refractive power,
7	a fourth lens having a positive refractive power, said fourth lens being bonded to
8	said third lens, and
9	a fifth lens having a positive refractive power, said fifth lens comprising a first
10	convex surface oriented to said object side and a second convex surface oriented to said
11	image plane side, at least one of said convex surfaces being an aspherical surface;
12	wherein:
13	$(1) \ 0.7 \ R6 < R8 < 1.3 \ R6 $
14	(2) $v1 > v2$, $v3 < v4$, $v5 > 50$
15	(3) $ f1 > 2 f2$
16	(4) 2.5 f22 > f21 > f22,
17	where R6 is a curvature radius of an object-side surface of said third lens;
18	R8 is a curvature radius of an image plane-side surface of said fourth lens;
19	vi is an Abbe number of an i-th lens $(i=1-5)$;
20	f1 is a composite focal length of said first lens group;
21	f2 is a composite focal length of said second lens group;
22	f21 is a composite focal length of said third and said fourth lenses in said second lens

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23
      group;
24
             f22 is a focal length of said fifth lens in said second lens group.
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             2. A wide-angle lens comprising, from an object side to an image plane side:
 2
             a first lens group comprising:
 3
                     a first lens having a negative refractive power, and
 4
                     a second lens having a positive refractive power; and
 5
             a second lens group comprising:
 6
                     a third lens having a negative refractive power,
 7
                     a fourth lens having a positive refractive power, said fourth lens being bonded to
 8
                 said third lens, and
 9
                     a fifth lens having a positive refractive power, said fifth lens comprising a first
10
                 convex surface oriented to said object side and a second convex surface oriented to said
                 image plane side, both of said convex surfaces being aspherical surfaces;
11
12
      wherein:
13
             (1) 0.7 |R6| < |R8| < 1.3 |R6|
             (2) v1 > v2, v3 < v4, v5 > 50
14
15
             (3) f1 > 4 f2
16
             (4) 2.5 f22 > f21 > f22,
      where R6 is a curvature radius of an object-side surface of said third lens;
17
18
             R8 is a curvature radius of an image plane-side surface of said fourth lens;
19
             vi is an Abbe number of an i-th lens (i=1-5);
20
             f1 is a composite focal length of said first lens group;
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f2 is a composite focal length of said second lens group;

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22	f21 is a composite focal length of said third and said fourth lenses in said second lens
23	group;
24	f22 is a focal length of said fifth lens in said second lens group.
1	3. The wide-angle lens as described in claim 1, further comprising:
2	a glass filter oriented to said image plane side of said fifth lens.
1	4. The wide-angle lens as described in claim 3; wherein:
2	$(1) \qquad v6 > v5$
3	where v6 is an Abbe number of said glass filter.
1	5. The wide-angle lens as described in claim 3, wherein said glass filter is selected from
2	the group comprising an infrared cut filter and a low-pass filter.
1	6. The wide-angle lens as described in claim 1, further comprising:
2	an aperture stop disposed between said second lens and said third lens.
1	7. The wide-angle lens as described in claim 1, further comprising:
2	a total lens length of less than or equal to 12mm.
1	8. The wide-angle lens as described in claim 1, further comprising:
2	a back focus of greater than or equal to 5mm.
1	9. The wide-angle lens as described in claim 1, further comprising:
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2 an exit pupil position of greater than or equal to |20mm|. 1 10. The wide-angle lens as described in claim 7, wherein said total lens length is about 2 11.10mm to about 11.90mm. 1 11. The wide-angle lens as described in claim 2, further comprising: 2 a glass filter oriented to said image plane side of said fifth lens. 1 12. The wide-angle lens as described in claim 11; wherein: 2 (1) v6 > v53 where v6 is an Abbe number of said glass filter. 1 13. The wide-angle lens as described in claim 11, wherein said glass filter is selected from 2 the group comprising an infrared cut filter and a low-pass filter. 1 14. The wide-angle lens as described in claim 2, further comprising: 2 an aperture stop disposed between said second lens and said third lens. 1 15. The wide-angle lens as described in claim 2, further comprising: 2 a total lens length of less than or equal to 10mm. 1 16. The wide-angle lens as described in claim 2, further comprising: 2 a back focus of greater than or equal to 7mm.

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             17. The wide-angle lens as described in claim 2, further comprising:
2
             an exit pupil position of greater than or equal to |20mm|.
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             18. The wide-angle lens as described in claim 15, wherein said total lens length is about
2
     9.90mm to about 9.95mm.
 1
             19. A method of producing a wide-angle lens, comprising the following steps:
2
             providing a first lens having a negative refractive power;
 3
             providing a second lens having a positive refractive power;
4
             providing a third lens having a negative refractive power;
 5
             providing an aperture stop between said second lens and said third lens;
6
             providing a fourth lens having a positive refractive power;
7
             bonding said third lens to said fourth lens;
8
             providing a fifth lens having a positive refractive power and at least one aspherical convex
9
     surface;
10
             providing a glass filter on an image plane side of said fifth lens;
11
             providing 0.7 |R6| < |R8| < 1.3 |R6|;
12
             providing v1 > v2, v3 < v4, v5 > 50;
             providing |f1| > 2 f2;
13
             providing 2.5 \text{ f22} > \text{f21} > \text{f22}; and
14
             providing v6 > v5;
15
16
     where R6 is a curvature radius of an object-side surface of said third lens;
17
             R8 is a curvature radius of an image plane-side surface of said fourth lens;
18
             vi is an Abbe number of an i-th lens (i=1-5);
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19 v6 is an Abbe number of said glass filter;
20 f1 is a composite focal length of said first lens group;
21 f2 is a composite focal length of said second lens group;
22 f21 is a composite focal length of said third and said fourth lenses in said second lens
23 group;
24 f22 is a focal length of said fifth lens in said second lens group.